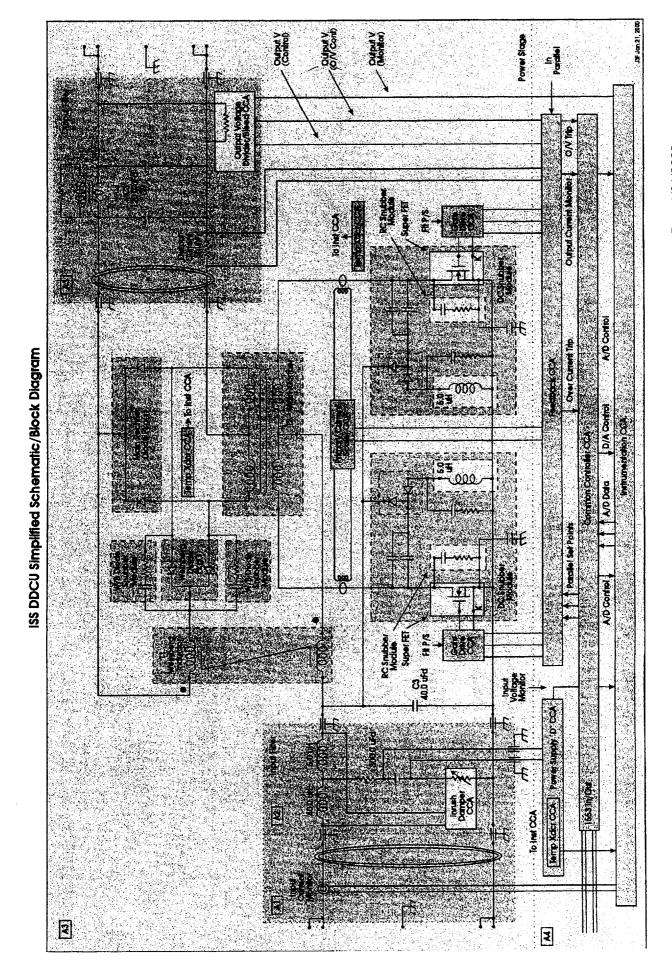
26 January 2001

The attached documents are being provided to Switching Power Magazine for information purposes. This magazine is writing a feature article on the International Space Station Electrical Power System, focusing on the switching power processors. These units include the DC-DC Converter Unit (DDCU), the Bi-directional Charge/Discharge Unit (BCDU) and the Sequential Shunt Unit (SSU).

These diagrams are high-level schematics/block diagrams depicting the overall functionality of each unit.

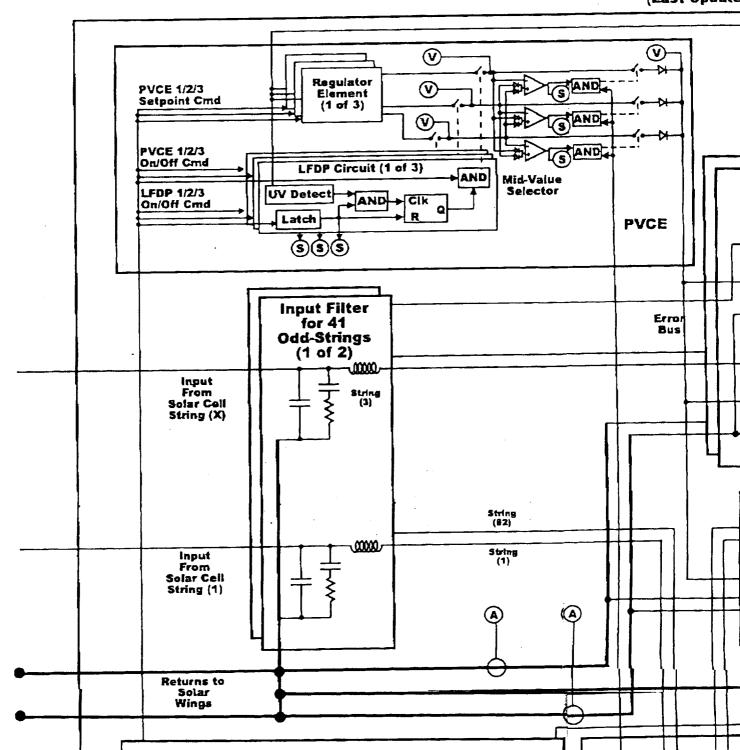
6920/Gregory V. Schmitz, Acting EPS SSM Team Lead

This report is a preprint of an article submitted to a journal for publication. Because of changes that may be made before formal publication, this preprint is made available with the understanding that it will not be cited or reproduced without the permission of the author.



Rev. 1/21/2000

Sequentual Shunt Unit (SSU) Sim (Last Update



plified Block Diagram (Strawman) d November 20, 2000)

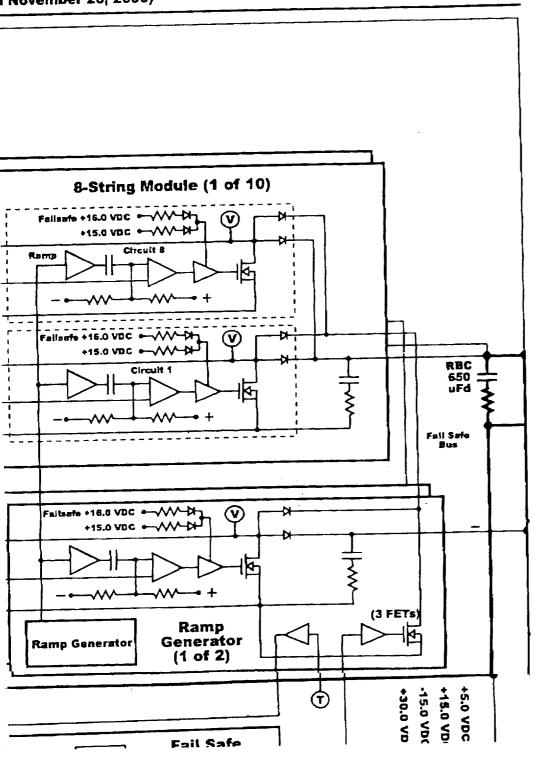
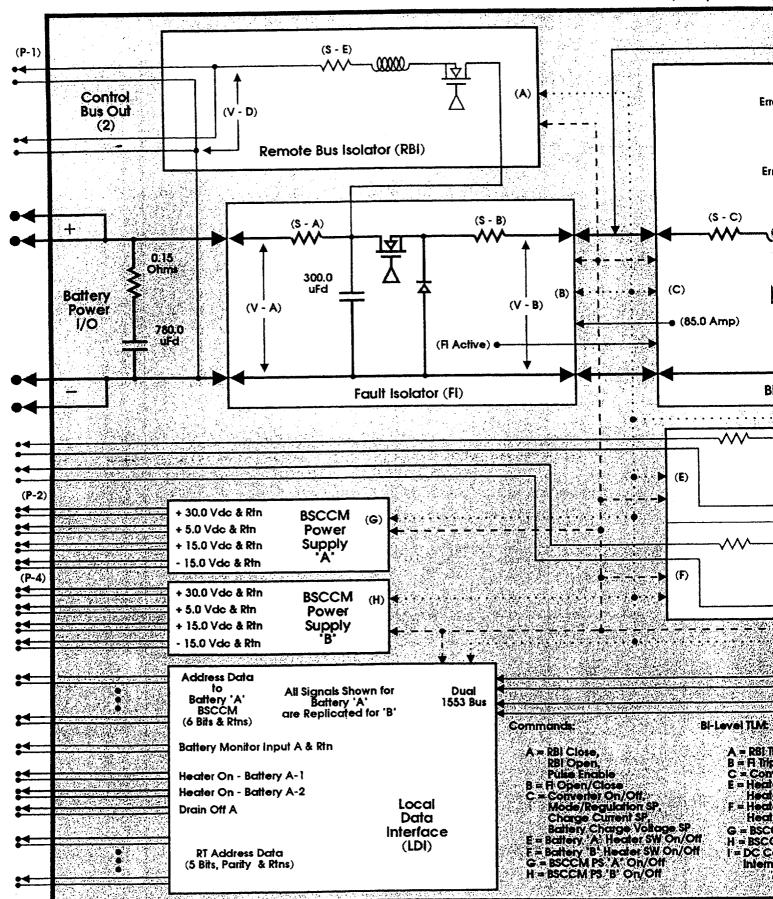
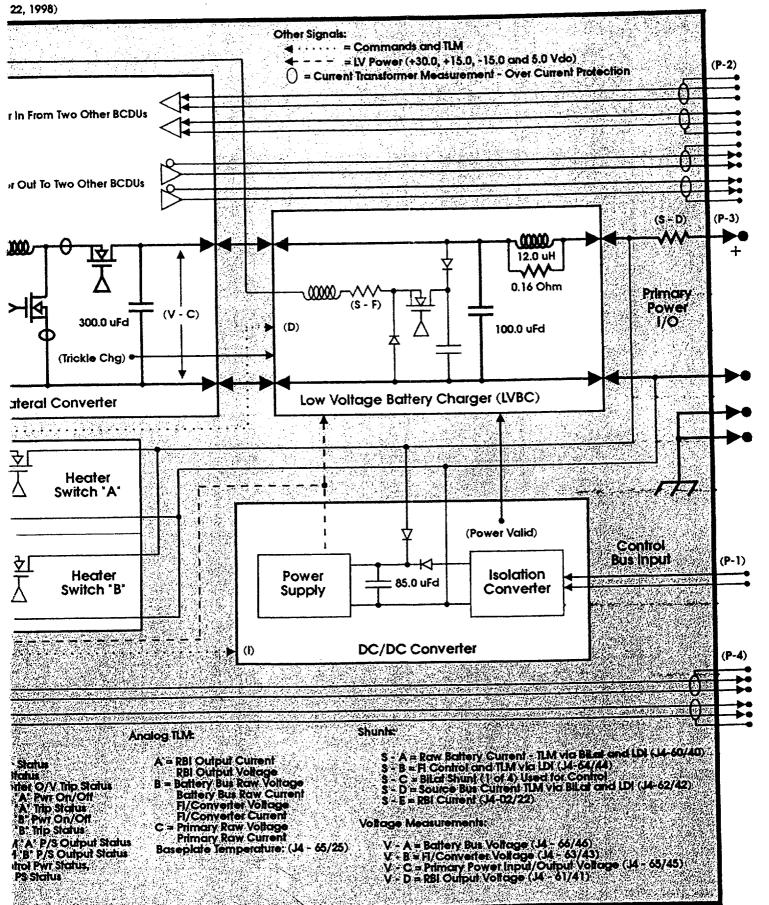


Figure 1 - BCDU Simplified Blo

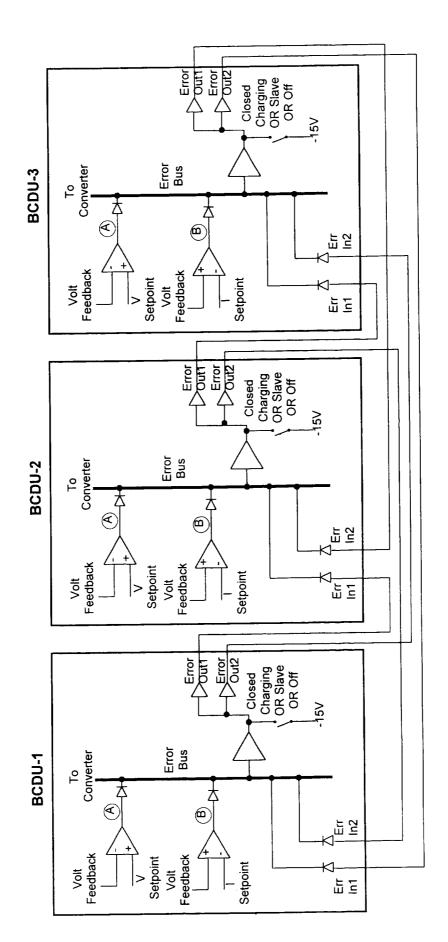
(Last Updated - Jul



ck Diagram/Schematic



BCDU Error Signal Control and Interaction



7 NOV 00 FILE BCDU-INTERACTION.VSD WILDE/JLM

